

**APPENDIX**

1. (Rewritten) A structure comprising:

a polycrystalline material comprising crystallites of polymers with interstitial regions therebetween;

polymers are selected from the group consisting of a precursor to an electrically conductive polymer and an electrically conductive polymer;

said interstitial regions between said crystallites comprising amorphous material comprising an additive;

said additive provides mobility to said polymer to allow said polymer to associate with one another to achieve said crystallites;

said polycrystalline material is characterized by a degree of crystallinity and a degree of amorphous regions, said degree of polycrystallinity and said degree of amorphous regions are selected by selecting the composition of said additive and the amount of said additive.

3. (Rewritten) A structure according to claim 1, wherein said additive is a plasticizer.

7. (Rewritten) A structure comprising :

a polycrystalline material comprising crystallites of polymers with interstitial regions therebetween;

said polymer is selected from the group consisting of a precursors to an electrically conductive polymer and an electrically conductiv polymer;

said interstitial regions comprise an amorphous material selected from the group consisting of said polymers;

said amorphous material includes an additive;

said polycrystalline material is characterized by a degree of crystallinity and a degree of amorphous regions, said degree of polycrystallinity and said degree of amorphous regions are selected by selecting the composition of said additive and the amount of said additive.

10. (Rewritten) A structure according to claim 7, wherein said additive is selected from the group consisting of:

|                              |                              |
|------------------------------|------------------------------|
| Adipic acid derivatives      | Sebacic acid derivatives     |
| Azelaic acid derivatives     | Stearic acid derivatives     |
| Benzoic acid derivatives     | Succinic acid derivatives    |
| Citric acid derivatives      | Sulfonic acid derivative     |
| Dimer acid derivatives       | Terpenines                   |
| Epoxy derivatives            | Terpentine derivatives       |
| Fumaric acid derivatives     | Siloxanes                    |
| Glycerol derivatives         | Polysiloxanes                |
| Isobutyrate derivatives      | Ethylene glycols             |
| Isophthalic acid derivatives | Polyethylene glycols         |
| Lauric acid derivatives      | Polyesters                   |
| Linoleic acid derivative     | Sucrose derivatives          |
| Maleic acid derivative       | Tartaric acid derivative     |
| Mellitates                   | Terephthalic acid derivative |
| Myristic acid derivatives    | Trimellitic acid derivatives |
| Oleic acid derivatives       | Glycol derivatives           |
| Plamitic acid derivatives    | Glycolates                   |
| Paraffin derivatives         | Hydrocarbons                 |

Phosphoric acid derivatives  
Phthalic acid derivatives  
Ricinoleic acid derivatives

Phosphonic acid derivatives  
Polysilanes

18. (Rewritten) A structure comprising:

a polycrystalline material comprising crystallites of polyaniline with interstitial regions therebetween;

said polyaniline is selected from the group consisting of a precursors to an electrically conductive polyaniline and an electrically conductive polyaniline;

said interstitial regions comprise an amorphous material selected from the group consisting of polyaniline;

said amorphous material includes an additive in an amount from about 0.001% to about 90% by weight;

said additive is selected from the group consisting of poly-co-dimethylaminopropyl siloxane, poly (ethylene glycol) tetrahydro furfuryl ether, glycerol triacetate and epoxidized soy bean oil;

said polycrystalline material is characterized by a degree of crystallinity and a degree of amorphous regions, said degree of polycrystallinity and said degree of amorphous regions are selected by selecting the composition of said additive and the amount of said additive.

21. (Rewritten) A structure according to claim 1, wherein the additive is in an amount for about 0.001% to about 90% by weight.

23. (Rewritten) A structure according to claim 1, wherein said amorphous regions have crystalline order.